

IN THE CLAIMS:

The following is a complete listing of the claims indicating their present status.

Claims 1-110 (Cancelled):

Claim 111 (New): A radiation wave intensity display modulator, comprising:

a first element for producing a wave component from a radiation wave, said wave component having a polarization property wherein said polarization property is one polarization from a set of orthogonal polarizations;

an optical transport for receiving said wave component, said optical transport having a waveguiding region and one or more bounding regions coupled to said waveguiding region;

a transport influencer, operatively coupled to said optical transport and having at least a portion integrated with said one or more bounding regions, for affecting said polarization property of said wave component responsive to a control signal; and

a second element for interacting with said affected wave component wherein an intensity of said wave component is varied responsive to said control signal.

Claim 112 (New): The display modulator of claim 111, wherein said modulator further comprises a radiation source for producing said radiation wave for said modulator.

Claim 113 (New): The display modulator of claim 112, wherein said radiation source, said first element and said second element are integrated in said optical transport.

Claim 114 (New): The display modulator of claim 112, wherein the radiation source comprises fluorescent gas microbubbles for producing a white-balanced light in response to radio-frequency stimulation.

Claim 115 (New): The display modulator of claim 111, wherein said first element is a first polarizer and said second element is a second polarizer.

Claim 116 (New): The display modulator of claim 115, wherein said first polarizer and said second polarizer are positioned such that their polarization axes are orthogonal with respect to each other.

Claim 117 (New): The display modulator of claim 111, wherein said transport influencer applies an influencing magnetic field parallel to propagation of said radiation wave through said optical transport.

Claim 118 (New): The display modulator of claim 117, wherein said transport influencer is a microcoil.

Claim 119 (New): A radiation wave intensity display modulating method, the method comprising:

producing a wave component from a radiation wave, said wave component having a polarization property wherein said polarization property is one polarization from a set of orthogonal polarizations;

receiving said wave component by a transport having a waveguiding region and one or more guiding regions coupled to said waveguiding region;

affecting said polarization property of said wave component responsive to a control signal using an influencer having at least a portion integrated with one or more guiding regions of said one or more guiding regions; and

interacting with said affected wave component wherein an intensity of said wave component is varied responsive to said control signal.

Claim 120 (New): A display assembly, comprising:

- a plurality of radiation wave modulators, each modulator including:
 - a first element for producing a wave component from a radiation wave, said wave component having a polarization property wherein said polarization property is one of a set of orthogonal polarizations;
 - an optical transport for receiving said wave component;
 - a transport influencer, operatively coupled to said optical transport, for affecting said polarization property of said wave component responsive to a control signal; and
 - a second element for interacting with said affected wave component wherein an intensity of said wave component is varied responsive to said control signal; and
- a controller, coupled to said modulators, for selectively asserting each said control signal to independently control said intensity of each said modulator.

Claim 121 (New): A display method, the method comprising:

- producing a radiation wave for each of a plurality of modulators, each modulator including:
 - a first element for producing a wave component from said radiation wave, said wave component having a polarization property wherein said polarization property is one of a set of orthogonal polarizations;
 - an optical transport for receiving said wave component;
 - a transport influencer, operatively coupled to said optical transport, for affecting said polarization property of said wave component responsive to a control signal; and
 - a second element for interacting with said affected wave component wherein an intensity of said wave component is varied responsive to said control signal; and asserting selectively each said control signal to independently control said intensity of each said modulator.